

AMENDMENTS TO THE CLAIMS

1 (Canceled).

2 (New). A prosthesis system comprising

an ankle replacement prosthesis that traverses a joint between a talus and a calcaneus comprising a rigid prosthesis body including a superior portion sized and arranged to attach to a talus, an inferior portion sized and arranged to attach to a calcaneus, and a median portion sized and arranged to traverse the joint and prevent movement of the joint, the superior portion including a component having a Morse Taper and sized and configured to engage another prosthesis element, and

a tibia prosthesis sized and configured to articulate with the ankle replacement prosthesis.

3 (New). A prosthesis system according to claim 2

wherein the tibia prosthesis is of a concave dome configuration.

4 (New). A prosthesis system according to claim 2

wherein the other prosthesis element is a lower prosthesis body sized and configured to articulate with the tibia prosthesis.

5 (New). A prosthesis system according to claim 4

wherein the lower prosthesis is of a convex dome configuration.

6 (New). A prosthesis system comprising

an ankle replacement prosthesis that traverses a joint between a talus and a calcaneus comprising a generally convex artificial joint replacement and a rigid prosthesis body including a superior portion sized and arranged to attach to a talus, an inferior portion sized and arranged to attach to a calcaneus, and a median portion sized and arranged to traverse the joint and prevent movement of the joint, the superior portion including a component sized and arranged to support the artificial joint replacement without extending into the tibia, and

a tibia prosthesis sized and configured to articulate with the ankle replacement prosthesis.

7 (New). A prosthesis system according to claim 6

wherein the tibia prosthesis is of a concave dome configuration.

8 (New). The prosthesis system according to claim 6, further comprising

at least one screw securing the ankle replacement prosthesis to the talus and the calcaneus.

9 (New). The ankle replacement prosthesis of claim 6 wherein the rigid prosthesis body fuses the talus to the calcaneus.

10 (New). A prosthesis system comprising an ankle replacement prosthesis comprising a lower prosthesis body, the lower prosthesis body being adapted to attach to both a talus and a calcaneus, wherein the lower prosthesis body fuses the talus to the calcaneus, the lower prosthesis body including a superior portion sized and arranged to extend above the superior plane of the talus and a component sized and arranged to support a convex artificial joint replacement without extending into the tibia, and

a tibia prosthesis sized and configured to articulate with the ankle replacement prosthesis.

11 (New). A prosthesis system according to claim 10 wherein the tibia prosthesis is of a concave dome configuration.